



Mark Janes, Nuka Research & Planning Group

PPOR Defined:



Temporary location to stabilize a vessel, protect life, remove hazards, protect public health and resources.







PIENIE

T/V Prestige – Denied refuge...2002



Background:

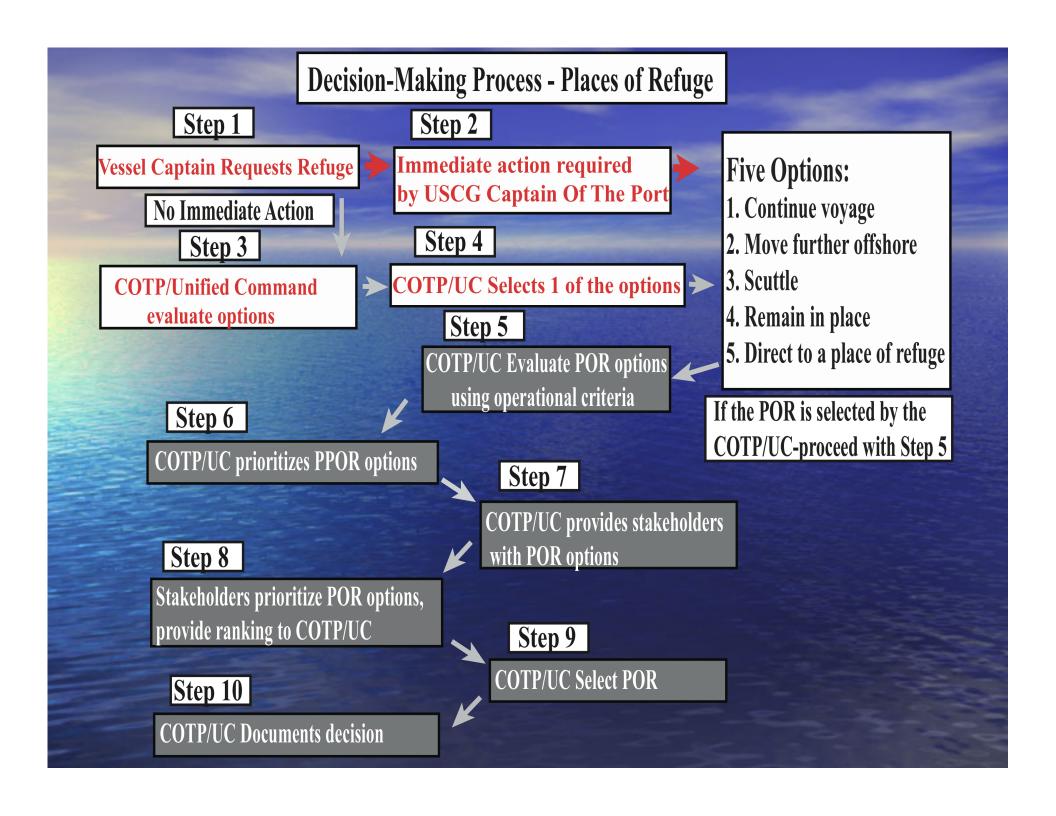
After the T/V Castrol incident & the sinking of the Erika and Prestige, in 2003 the International Maritime Organization adopted resolutions regarding Places of Refuge guidelines.

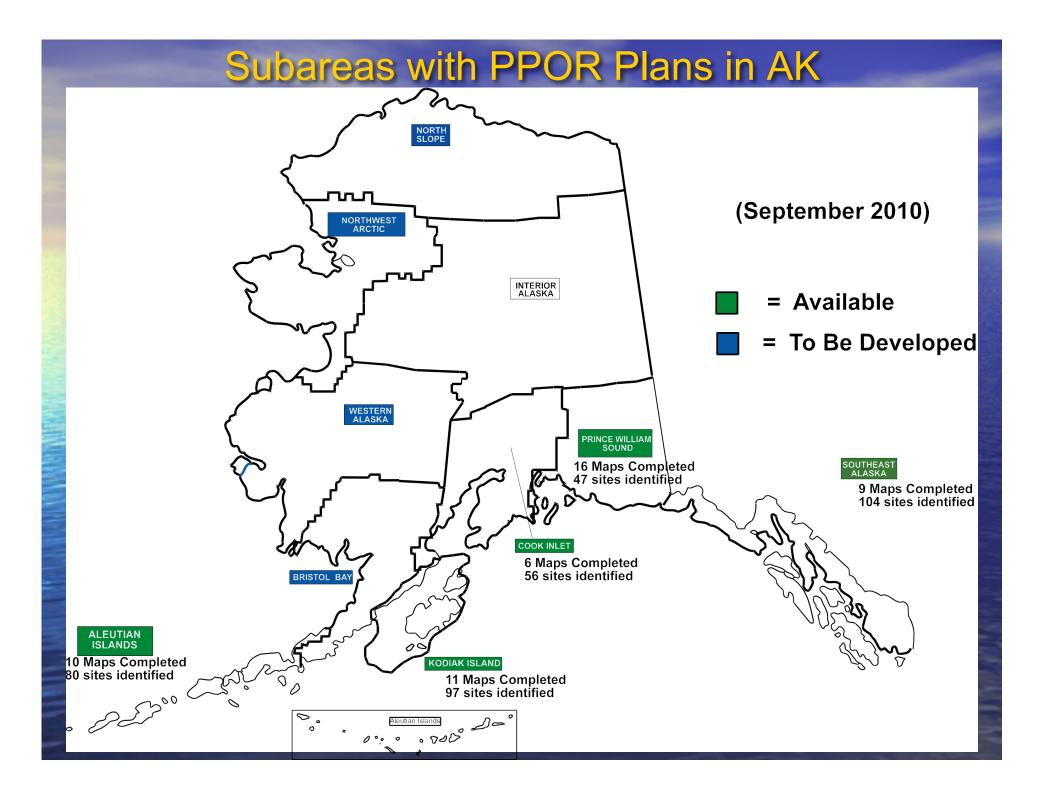
In 2004 the Alaska Regional Response Team developed guidelines for the PPOR decision making process in Alaska.

Decision Making Process Established by the ARRT

- Establishes a standardized and predictable process to evaluate risks of a ship in distress
- Uses existing ICS structure to make decisions
- Provides checklists to evaluate risks
- Captain of the Port has ultimate authority to make decision







Workgroup Process-Potential Places of Refuge

- Stakeholders
- Governments
- Resource Agencies
- Spill Response Organizations
- Mariners
- Landowners
- General Public



Photo Credit-Unified Command

The Workgroup identifies and confirms information regarding:

- Establish an inventory of possible places of refuge for stricken vessels
- Environmental & economic risks
- Port requirements
- Available response & repair resources
- Water depths, tides, currents, seasonal conditions
- Typical vessels in the subarea that may pose a risk



- Part of pre-established decision making process
- Identify information needed to assist decision makers during an incident
- Discuss and gather information regarding useconflicts outside of crisis situation
- Obtain local knowledge to understand capabilities, limitations, impacts
- Identify potential sites acceptable/least offensive to all

The Plan-



Wide Bay and Broad Bay viewed from the north.



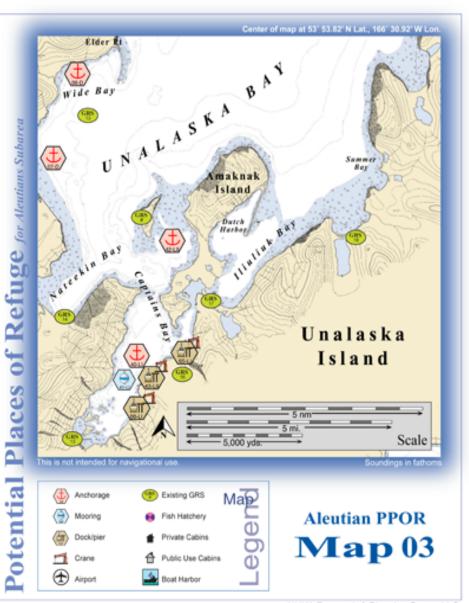
Iliuliuk Harbor and Captains Bay viewed from the north.



Captains Bay viewed from the south.



Year-2007	Contact				
Aleut Corporation	President				
Aleutians East Borough	Mayor				
Alaska Dept of Fish & Game	Resource Manager				
Alaska Department of Natural Resources	Natural Resource Manager				
Alaska Maritime National Wildlife Refuge	Dept of the Interior-Regional Environmental Officer				
Aleut Marine Mammal Commission	Director				
City of Unalaska	Mayor				
Ounalashka Corporation	CEO				
Native Allotments	Dept of the Interior- Regional Environmental Officer				



NUKA Research & Planning Group, LLC.

	Site Considerations for PPOR Map 03 of the Aleutian Subarea						Site ID Number and Vess Class Classification					
	Wide Day	Broad Bay	Captains Bay	Captains Bay Moorings	Hog Island Anchorage	Captains Bay North Pacific Fuel			D = A deep draft vessel that exceeds 20,000 Gro Tons, has drafts of 25-60			
ID Number	06-D	07-D	40-LII	41-LII	45-LII	46-LII	65-LI	66-LI				
Human Health & Safety									ft. and ranges from 450 1000 ft. LOA, typical of			
Communities - distances-nm	Unalaska-4.5	Unalaska-4	Unalaska- 1	Unalaska- 1	Unalaska-0.5	Unalaska- 0.0	Unalaska-0.0	Unalaska-0.0	Tankers/ Cruiseships			
Natural Resource Considerations									LII = A light draft vesse			
Fish & Wildlife	Fish & Wildfife Spawning salmon, seals, sea others waterfowl concentrations, seabird and eagle nesting, shorebird concentration							10,000 to 19,999 Gross Yons, has drafts up to 2				
Threatened & Endangered Specie	4		Stell	ler's Eider, sea otters and sho	rt-tailed albatross are present				ft., LOA up to 450 ft., typical of Ferrys/Tramper			
Sensitive Areas			Entire area desi	gnated as a Most Environmen	tally Sensitive Area (MESA 28)	b-ADF&G)			-			
Invasive Species-Rats	Rats are present in this area						LI= A light draft vessel 300 to 9,999 Gross To					
Other Stakeholder Considerations									has drafts up to 25 ft., up to 450 ft., typical of Ferrys/ Trampers			
Fisheries				Groundfish, herring	, saimon, orab							
Historic Properties	If suspected outsural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.					S = A shallow draft ver						
Marioulture	None					less than 300 Gross Ton has a draft less than 15						
Subsistence		Education market an application of the property of the propert					LOA less than 200 ft., typical of Excursion/Fish					
Tourism/Recreation		High recreational use area- sport fishing, keyaking, excursion boats, wildlife viewing Version Version										
Waterfront Public Facilities/Parks	Alaska Martime National V immediatel		Alaska Maritime National Wiclife nearby		Alaska Maritime National Wildlife Refuge	Alaska Maritime N	aska Martime National Wildlife Refuge, Small Boat Harbor nearby					
Waterfront Private Facilities	No	ne	Cannery facilities	Cannery facilities nearby None Cranes								
Response and Salvage Resource Co	nsiderations											
Ability to Boom Vessel		Weat	er dependent		No.	Yes						
Emergency Tow System	An emergency tow system is available to assist disabled vessels in Unalaska and Aleutian Subarea. Contact the USCG MSD-Unalaska-907.581.3495 and the Unalaska Harbor Master 907.581.1254 for additional information.											
Geographic Response Strategies	AEB-13-Broad/Wide Bay	y. AEB-13 Nateekin Bay	AEB-15 Head of Captains Bay. A	AEB-16 Obernoi Pt. Stream	AEB-18 Hog Island	AEB-15 Head of Captains Bay, AEB-16 Obernoi Pt. Stream						
Closest Alternative Places of Refuge (same sized vessel)	1.5 nm. to 07-D Broad Bay	1.5 nm. to 05-D Wide Bay	.5 nm. to 41-LII Capt. Bay Mooring	.5 nm. to 40-Lil Capt. Bay	2.5 nm to 45-LII Captains Bay N. Pacific Fuel	.5 nm to 41-LII Capt. Bay Moorings	1.5 to 66-LI OSI Facility Dock	1.5 to 65-LI Westward Seafood Dock				

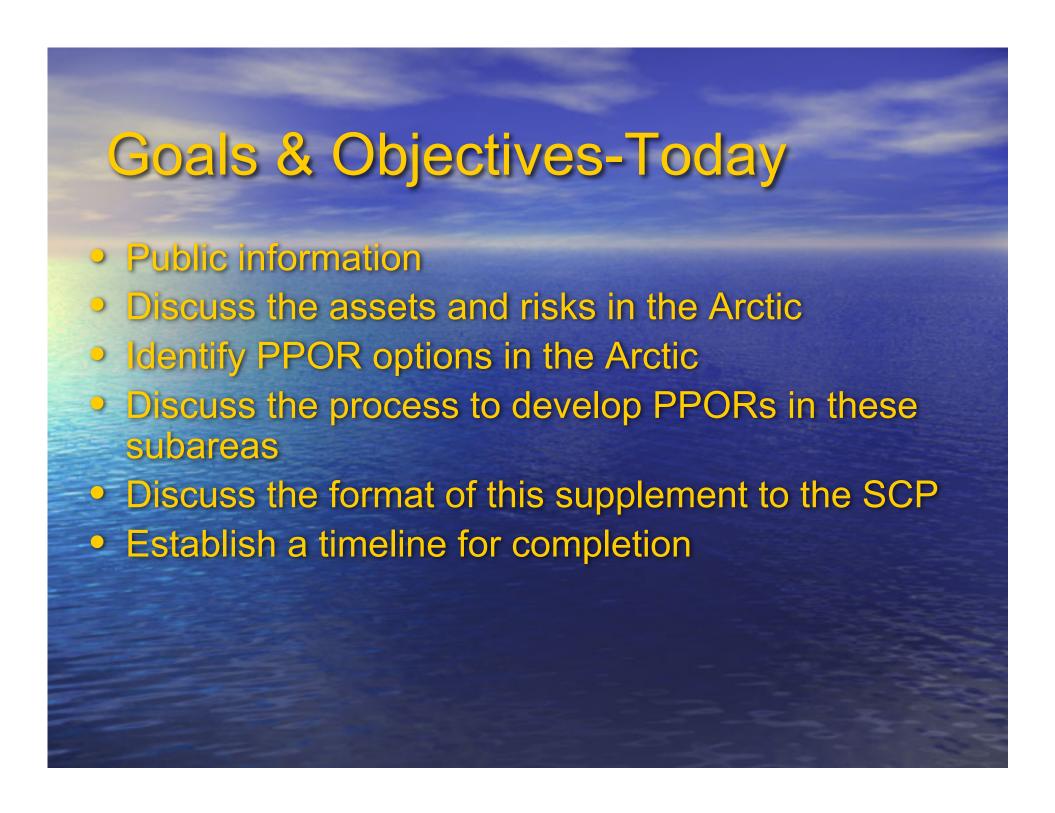
Phus	ical and O	negational (Characteristics	for PPOR May	n 03 of the	Aleutian Subarea

	Wide Bay Broad Bay		Captains Bay Captains Bay Moorings		Hog Island Anchorage Captains Bay North Pacific Fuel		Westward Seafood Dock OSI Facility Dock		
ID Number	06-D	07-D	40-LII	41-UI	45-UI	46-LII	65-LI	66-LI	
Location	53°53.00'N 196°31.86'W	63°54.12'N 166°31.76'W	53°56.94'N 166°36.69'W	53°50.89°N 166°35.24'W	53°54.58'N 166°30.78'W	53°51.09'N 166°34.40'W'	53°51.49°N 166°33.22°W	53°52.81°N 166°31.31°W	
Maximum Vessel Size	Deep draft, greater than	20,000 Gross Tons	Light draft-II, 10,000 to 19,999 Gross Tons				Light draft-I, 300 to 9,999 Gross Tons		
Type of Berthing	Mooring Anchorage		Anchorage	3 Mooring Buoys	Anchorage	Dock			
Contact	Icicle Seafoods-206.282.0988	N/A	Harbornaster-907.581.1254	Northland Services 907.581.6077	Harbormaster-907.581.1254	Harbonnaster-907.581,1254	Facility Manager 907.581.1660 Harbormaster-907.497.2237	Manager-907.581.1827 Harbormaster-907.497.2237	
Navigational Approach	Approach from SE	Approach from NE,E	Approach from the N		Approach from the N	Approach from the NW	Approach from the W	Approach from the N	
Minimum Water Depth	18 Fathoms in swing area	38 Fathoms in swing area	14 Fathoms on approach	45 Fathoms in swing area	10 Fathoms in swing area	36 Feet at the dock face	24 Feet at the dock face	27 Feet at the dock face	
Maximum Water Depth	30 Fathoms in swing area	16 Fathoms in swing area	45 Fathoms in swing area	14 Fathoms on approach	19 Fathoms in swing area	42 Feet at the dock face	24 Feet at the dock face	27 Feet at the dock face	
Maximum Vessel Draft	60 ft.		40 ft.		30 ft.	36 ft.	24 ft.	26 ft.	
Swing Room/Dock Face	900 ft.	1800 ft.	3000	3000	1200 ft.	510 ft.	800 ft.	450 ft.	
Bottom Type	Sand	Mud	Mud	N/A	Mud	N/A			
Docks/Piers	Nearest Alt. Dock 09-D Dutch Harbor APL Dock		Nearest Alt. Dock 46-Lil North Pacific Fuel Dock	Pacific Fuel Dock	Nearest Alt. Dock 45-LII Western Pioneer	Nearest Alt. Dock 65-LI Westward Seafood	Nearest Alt. Dock 66-LI OSI Reef Dock	Nearest Alt. Dock 65-LI Westward Seafood	
Moorings	Nearest Mooring-Captains Bay41-UI	Nearest Mooring-Wide Bay- 06-D	Nearest Mooring-Captains Bay41-LII	Nearest Mooring-Bulluk Bay - 62-	Nearest Mooring-Captains Bay41-LII				
Anchorages	Nearest Alt. Anchorage-07-D Broad Bay	Nearest Alt. Anchorage-06-D Wide Bey	Nearest Anchorage- 45-LII Hog Island	Nearest Anchorage- 45-Lil Hog Island	Nearest Alt. Anchorage-07-D Broad Bay	Nearest Alt Anchorage- 45-LII Hog Island	Nearest Alt. Anchorage-61-LI Illuliuk Bay	Nearest Alt. Anchorage-61- LI Buliuk Bay	
Prevailing Winds	Summer southwest through northwest winds are common. Winter- winds occur from all directions.								
Currents	Local currents are tidelly influenced. All passes in the subarea have significant currents.								
Tides	Mean High Water-3.4 (Higher-3.7), Mean Low Water-12 (Lower-2.5)								
Sea Conditions	Exposed to seas from the E-S Sheltered from extreme sea states			Exposed to seas from the NE-NW	Sheltered from extreme sea states	Sheltered from e	xtreme sea states		
Shelter from Severe Storms	Sheltered :	SW-N	Sheltered from all bu	t extreme storms	Sheltered E-W Sheltered from all but extreme storms Sheltered from all but extreme storms				
Fog	Fog can occur during all seasons								
Sea ice	Sea ice unlikely								

PPOR in Subarea Plan

Southeast Alaska SUBAREA CONTINGENCY PLAN POTENTIAL PLACES OF REFUGE SECTION

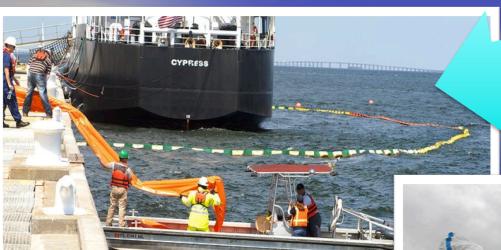
PART ONE INTRODUCTION
Purpose and Scope
How the Document was Developed
How to Use the PPOR Section
Who to Contact for Input
PART TWO PPOR MAPS
Index of PPOR Maps
PPOR Maps
PART THREE REFERENCES
TABLES AND FIGURES
TABLES
H-1: Key to the Site Assessment Matrix
H-2: Site Assessment Matrix
FIGURES
H-1: Index of Southeast Alaska PPOR Maps
SEA-1 PPOR
SEB-2 PPOR





- Decision-making guidelines and pre-incident planning greatly aid the Unified Command during an actual event
- Public involvement at the planning stage is critical to success
- Planning may reduce the risks and severity of future spills

Questions/Discussion-



Pre-planning for this

Helps prevent this



Quyanaq